

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-52. (Cancelled)

53. (Currently Amended) The method of claim ~~[[52]]~~ 76, wherein the binder comprises a polymer.

54. (Previously Presented) The method of claim 53, wherein the binder is selected from the group consisting of polyvinylidene fluoride, hexafluoropropylene, and polytetrafluoroethylene.

55. (Currently Amended) The method of claim ~~[[52]]~~ 76, wherein the first cathode ~~mixture layer further~~ comprises a solvent.

56. (Currently Amended) The method of claim ~~[[55]]~~ 76, wherein the solvent is selected from the group consisting of acetone, methyl ethyl ketone, diisobutyl ketone, methylpyrrolidone, and methyl isobutyl ketone.

57. (Currently Amended) The method of claim ~~[[56]]~~ 76, step(a) further comprising removing only a portion of the solvent after coating the cathode mixture but before removal of the substrate ~~forming the first layer on the substrate~~.

58. (Currently Amended) The method of claim ~~[[52]]~~ 76, wherein the cathode mixture further comprises a conductive aid.

59. (Previously Presented) The method of claim 58, wherein the conductive aid comprises carbon.

60-62. (Cancelled).

63. (Currently Amended) The method of claim [[52]] 76, wherein step [[(d)]] (c) comprises laminating the first layer and the second layer ~~to provide the first stack~~ after step (c).

64. (Currently Amended) The method of claim [[52]] 63, wherein step [[(e)]] (d) comprises bonding the [[first]] cathode stack to [[a]] the current collector as part of the lamination.

65. (Currently Amended) The method of claim [[64]] 76, wherein the current collector has a first surface and a second surface and the [[first]] cathode stack is bonded to the first surface, the method further comprising

- (f) repeating steps (a)-[[ (d) ]] (c) to produce a second cathode stack; and
- (g) bonding the second cathode stack to the second surface of the current collector.

66-71. (Cancelled).

72. (Currently Amended) The method of claim [[60]] 76, further comprising partially but not fully removing the solvent after coating of the cathode mixture in step (a) prior to ~~laminating the first layer and the second layer~~ step (c).

73. (Currently Amended) [[A]] The method of ~~making a battery electrode~~ claim 76, the method further comprising

- [[ (a) ]] (e) blending [[a]] the binder and [[a]] the solvent;
- [[ (b) ]] (f) blending an electrode active material and a conductive aid; and
- [[ (c) ]] (g) combining the blends from [[ (a) ]] (e) and [[ (b) ]] (f) to provide [[a]] the cathode mixture[;]
- ~~(d) — forming a layer comprising the cathode mixture and a substrate;~~
- ~~(e) — removing the substrate from the first layer; and~~
- ~~(f) — incorporating the first layer into the battery electrode.~~

74-75. (Cancelled).

76. (New) A method of making a cathode for a battery, comprising

- (a) coating a cathode mixture comprising an electrode active material, a binder, and a solvent onto a substrate and then removing the substrate to provide a first cathode layer including at least the electrode active material and the binder, but not a substrate;
- (b) coating the cathode mixture onto a substrate and then removing the substrate to provide a second cathode layer including at least the electrode active material and the binder, but not a substrate;
- (c) layering the first cathode layer onto the second cathode layer to provide a cathode stack including the first cathode layer and the second cathode layer; and
- (d) bonding a current collector to the cathode stack to provide the electrode.